

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method to provide additional bandwidth for a wireless ad hoc network configured to operate ~~operating~~ in a certain communication channel with a certain amount of available bandwidth comprising a plurality of wireless terminals, ~~characterized in that~~ the method comprising:

checking by a central controller of said wireless ad hoc network whether more bandwidth than said certain amount of available bandwidth is required by said plurality of wireless terminals; and

[[-]] splitting up said wireless ad hoc network ~~is split up~~ such that at least one new wireless ad hoc network is spawned, if more bandwidth than said certain amount of available bandwidth is required by said plurality of wireless terminals, [[-]] wherein

after the ~~split~~ splitting up of said wireless ad hoc network at least one wireless terminal of said wireless ad hoc network and/or one or more new wireless terminals belong(s) to said at least one new wireless ad hoc network, and

[[-]] said at least one new wireless ad hoc network is operating in a respective different communication channel;

~~—wherein the decision which of said wireless terminals of said wireless ad hoc network and/or which of said at least one wireless terminal are moved to said at least one new wireless ad hoc network is based on certain separation criteria;~~

~~—which certain separation criteria assure that wireless terminals that~~

- ~~*—— have the same convergence layers, and/or~~
- ~~*—— are of the same application layer, and/or~~

- ~~have the same connection, and/or~~
 - ~~provide the same or corresponding functions~~
- ~~are not separated into different wireless ad hoc networks.~~

Claim 2 (Currently Amended): The method according to claim 1, ~~characterized in~~
~~that~~ further comprising:

controlling said wireless ad hoc network and the splitting up of said wireless ad hoc
network ~~are controlled~~ by ~~[[a]]~~ said central controller of said wireless ad hoc network that
decides which wireless terminals of said wireless ad hoc network and/or which new wireless
terminals are moved to said at least one new wireless ad hoc network, wherein

the decision is based on ~~[[said]]~~ certain separation criteria, ~~which said certain~~
separation criteria assure that wireless terminals that have the same convergence layers,
and/or are of the same application layer, and/or have the same connection, and/or provide the
same or corresponding functions are not separated into different wireless ad hoc networks,
and

said central controller determines a new central controller for said at least one
new wireless ad hoc network.

Claim 3 (Currently Amended): The method according to claim 1, ~~characterized in~~
~~that~~ further comprising:

operating said wireless ad hoc network and said at least one new wireless ad hoc
network ~~are operated~~ according to the IEEE802.11 or ETSI BRAN HIPERLAN/2 standard.

Claim 4 (Currently Amended): The method according to claim ~~[[1]]~~ 2, ~~characterized in that~~ wherein said certain separation criteria assure that wireless terminals with certain connections that should not be interrupted are not moved to said at least one new wireless ad hoc network.

Claim 5 (Currently Amended): The method according to claim 1, ~~characterized by~~ further comprising:

providing new commands in order to spawn said at least one new wireless ad hoc network, wherein

a requesting command (SPAWN_NETWORK) is sent to a request wireless terminal to ask this request wireless terminal to move to said at least one new ad hoc wireless network, and

a confirmation command (SPAWN_NETWORK_ACK) is used by a request wireless terminal to signal that it can move to said at least one new ad hoc wireless network.

Claim 6 (Currently Amended): The method according to claim 5, ~~characterized in that~~ wherein a wireless terminal stops using its entire wireless connections the moment ~~[[it]]~~ said terminal sent out said confirmation command (SPAWN_NETWORK_ACK), moves to one of said at least one new wireless ad hoc network, waits until ~~[[it]]~~ said terminal receives a start command (RLC_CC_START_OPERATION) sent out by a central controller, and then starts using its wireless connections according to the information provided by said start command (RLC_CC_START_OPERATION).

Claim 7 (Currently Amended): A wireless terminal of a wireless ad hoc network configured to be controlled by a central controller of said wireless ad hoc network ~~characterized by~~ comprising:

a receiving unit configured ~~means adapted~~ to receive a requesting command (SPAWN_NETWORK) from the central controller indicating certain operating conditions for the wireless terminal[[,]];

a condition checking unit configured ~~means~~ to check if the wireless terminal can be operated under said certain conditions[[,]]; and

a sending unit configured to ~~means that sends~~ send out a confirmation command (SPAWN_NETWORK_ACK), if the condition checking unit ~~means~~ determines that the wireless terminal can be operated under said certain conditions.

Claim 8 (Currently Amended): The wireless terminal according to claim 7, ~~characterized in that~~ wherein said certain conditions define if said wireless terminal can operate as a central controller of a wireless ad hoc network, a certain communication channel at which said wireless terminal is able to operate, and/or a moment in time at which said wireless terminal shall operate in said certain communication channel and at which it may be controlled by a different central controller.

Claim 9 (Currently Amended): A central controller of a wireless ad hoc network including ~~comprising~~ a plurality of wireless terminals, ~~characterized by~~ comprising:

a splitting ~~means that~~ unit configured to ~~controls~~ control the splitting of said wireless ad hoc network, wherein a new wireless ad hoc network is spawned that includes ~~comprises~~

at least one of said plurality of wireless terminals and/or one or more new wireless terminals,
wherein the central controller is configured to check whether more bandwidth than a certain
amount of available bandwidth is required by said plurality of wireless terminals.

Claim 10 (Currently Amended): The central controller according to claim [[10]] 9,
~~characterized in that~~ wherein the splitting ~~means comprises~~ unit includes:

a sending ~~means that~~ unit configured to ~~sends~~ send out requesting commands
(SPAWN_NETWORK) to wireless terminals[[,]];

a receiving ~~means that~~ unit configured to ~~receives~~ receive confirmation commands
(SPAWN_NETWORK_ACK)[[,]]; and

an operating ~~means that~~ unit configured to ~~decides~~ decide which of said plurality of
wireless terminals and/or of said new wireless terminals may be moved to said new wireless
ad hoc network and determines a wireless terminal of said plurality of wireless terminals
and/or of said new wireless terminals that becomes the central controller of said new wireless
ad hoc network.

Claim 11 (Currently Amended): A wireless ad hoc network, comprising:

a plurality of wireless terminals according to claim 7[[,]]; and

a central controller ~~characterized by~~ including

a splitting ~~means that~~ unit configured to ~~controls~~ control the splitting of said
wireless ad hoc network, wherein a new wireless ad hoc network is spawned that ~~comprises~~
includes at least one of said plurality of wireless terminals and/or one or more new wireless

terminals, wherein the central controller is configured to check whether more bandwidth than a certain amount of available bandwidth is required by said plurality of wireless terminals.